CPR MATERIALS

TECHNICAL DATA SHEET

CPR+ CONCRETE REPAIR

CPR+ is a fast-setting, high-strength, low-viscosity urethane repair material. This two-part, 1:1 ratio system is 100% solids and specifically designed for quickly restoring and repairing broken control joints, filling voids beneath tiles and concrete, and fixing spalled concrete surfaces. CPR+ is ideal for use in damaged control joints or repairing spall damage in warehouses caused by forklifts or carts with steel or hard urethane wheels.

APPLICATIONS

CPR+ offers an extended pot life for larger repairs that require more working time.

- Reconstruction of control joints
- Repair of spalls and cracks in high-traffic areas
- Surface level adjustment (grade matching)
- Floor repair and restoration
- Filling and repairing spalls before applying coatings
- Used to "stitch" cracked slabs
- Filling voids beneath concrete or tile

ADVANTAGES

- Cures from -20ºF to 130ºF.
- Traffic ready in 45 minutes.
- Develops high strength quickly.
- Self-priming and self-leveling.
- Can be mixed with dry aggregate.
- Meets USDA and FDA requirements.
- Complies with US Green Building standards.
- Meets LEED® Standards for IEQ Credit 4.1.

LIMITATIONS

- Do not thin, as solvents will prevent proper curing.
- Avoid exposure to moisture before the material cures.
- The material acts as a vapor barrier once cured.
- Concrete must be at least 28 days old before application.

PROPIEDADES FISICAS	
Viscosity (mixed):	250 cps
Shore "D" Hardness (ASTM D-2240):	67 to 72D
Mix Ratio (by volume):	1:1
Elongation % (ASTM D-412):	4%
Compressive Strength (ASTM D-695):	• Material Neat: 6240 psi • Material with Sand: 5940 psi
Adhesion (ASTM D72324-12):	235 psi

SDS

Available in
22 oz Cartridges 2 Gallon Kits 10 Gallon Kits

Shelf Life 1 year in original unopened container.

Storage Conditions Store material between 55°F and 85°F.

Consistency
Low Viscosity

Pot Life Approx. 100 seconds (100 gram mass)

Appearance Off-white Custom Color Matching Available

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COVERAGE INFORMATION

To determine the amount of material required for a repair, calculate the cubic inches by multiplying the approximate length × width × depth. Always convert feet to inches before calculating. Add 10-15% to account for waste and overfill.

TROWELABLE APPLICATION COVERAGE

- Significant Surface Damage: 200-400 sq. ft. per gallon
- Moderate Surface Damage: 500-700 sq. ft. per gallon
- Minimal Surface Damage: 800-1000 sq. ft. per gallon

Trowelable Application Coverage

- 1/8" x 1" crack: 154 linear feet per gallon
- 1/4" x 1" crack: 77 linear feet per gallon
- 1/2" x 1" crack: 39 linear feet per gallon
- To calculate the coverage rate per cartridge, divide linear feet per gallon by 5.8.

Chemical	Result
Acetic Acid 10%	R
Acetone	RC
Battery Acid (Sulfuric Acid)	RC
Brake Fluid	R
Chlorine (2000 ppm in water)	R
Citric Acid	R
Gasoline	R
Hydraulic Oil	R-1
Methanol (5%) Gasoline	RC
Motor Oil	R-1
Toluene	RC
Vinegar	R
Water	R
Xylene	R

RECOMENDACION DE APLICACIONES

Condition the material to at least 70°F before use. If tinting is required, add the tint to the "B" side container only and mix thoroughly for at least 90 seconds. For bulk applications, measure equal parts of "A" and "B" into two separate plastic mixing containers. Then, pour the measured "A" and "B" into a third clean plastic mixing container.

Mixing: Measure equal parts "A" and "B" into a clean mixing container and stir for at least 20 seconds.

Spalls/Cracks: Clean the area of debris and contaminants that could compromise the bond of TX-3. Expose clean, rough concrete for optimal results. For large spalls, cut a vertical edge at least 1/4" deep around the spall perimeter. Use a HEPA-filtered vacuum to remove dust and ensure the area is dry. For deep cracks, apply product to the bottom and work in layers: apply product, add sand, then repeat until the desired level is reached.

Filler: Sand filler should have minimal moisture and range in grit size from 12 to 60. Pea gravel can be used for large spalls. Concrete dust, unsanded grout, and other cementitious materials can also be used if needed.

Grinding to Finish Grade: Allow TX-3 to cure for approximately 45 minutes or until hard. For best results, use a flexible grinding wheel to grind flush. When TX-3 is used as a pre-polish filler, it can be removed using transitional or low-grit resin diamonds on a stand-up grinder.

DISPOSAL & CLEAN UP

Empty Containers: Ensure containers are completely drip-free before disposal.

Cured Product Disposal: Cured material can be disposed of without restrictions. Any excess liquid from Parts "A" and "B" should be mixed together, allowed to cure, and then disposed of in the usual manner.

Cleaning Tools: Cured materials can be stripped or peeled off from plastic tools and containers. For metal tools, clean within one hour of use by cutting or peeling off cured material.

SAFETY & HANDLING

Review SDS: All personnel should read and fully understand the Safety Data Sheets (SDS) provided before use.

Personal Protective Equipment (PPE): Wear long-sleeved overalls or disposable coveralls, rubber gloves, splash shields, and rubber or leather boots.

Fire and Heat Precautions: Do not use near high heat or open flames.

Ingestion Warning: Do not ingest. Keep the product out of reach of children.

WARRANTY

CPR Materials guarantees that its products are free from manufacturing defects and, when applied according to CPR Materials' instructions and tested under ASTM standards, meet the specified physical properties. No other warranties, expressed or implied, including merchantability or fitness for a particular purpose, are provided. CPR Materials is not liable for any damages, including indirect or consequential damages, resulting from any alleged breach of warranty or any other cause.